

# [Optical mouse with a roller ball]

## Abstract of Disclosure

An optical mouse has a housing, a roller ball, a light source, and control circuitry. The housing has a flat bottom surface and a first opening on the bottom surface. The roller ball is rotatably disposed inside the housing. The light source is disposed inside the housing for generating light to illuminate the roller ball. The control circuitry is disposed inside the housing for controlling operations of the optical mouse. The control circuitry has a light sensor for detecting variations of light reflected from the roller ball.

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